Listing of Claims:

1. (Currently Amended) A liquid ejection apparatus comprising:

a liquid ejection head having a nozzle with an inner diameter of at most 15 μm;

an ejection voltage supply to apply an ejection voltage to a solution inside the nozzle so as to charge the solution, the ejection voltage supply including an electrode which contacts with the solution to charge the solution;

a convex meniscus generator to cause the solution inside the nozzle to rise from the nozzle in a convex shape; and

an operation controller to control application of a drive voltage to drive the convex meniscus generator and application of the ejection voltage by the ejection voltage supply so that the drive voltage to the convex meniscus generator is applied in timing overlapped with the application of a pulse voltage as the ejection voltage by the ejection voltage supply;

wherein the operation controller controls a voltage having a reversed polarity to the ejection voltage to be applied by the electrode to the solution inside the nozzle just before or just after the ejection voltage is applied to the solution inside the nozzle.

Claim 2 (Canceled).

3. (Original) The liquid ejection apparatus of claim 1, wherein the operation controller applies the drive voltage to the convex meniscus generator in advance, and also in timing overlapped with the application of the ejection voltage by the ejection voltage supply.

4. (Original) The liquid ejection apparatus of claim 1, wherein the liquid ejection head includes a plurality of nozzles each of which has the convex meniscus generator.

Claims 5 and 6 (Canceled).

7. (Original) The liquid ejection apparatus of claim 3, wherein the liquid ejection head includes a plurality of nozzles each of which has the convex meniscus generator.

Claim 8 (Canceled).

9. (Previously Presented) The liquid ejection apparatus of claim 1, wherein the inner diameter of the nozzle is between 0.2 μm and 8 μm.

10. (Previously Presented) The liquid ejection apparatus of claim 9, wherein the inner diameter of the nozzle is between 0.2 μm and 4 μm.

11. (New) The liquid ejection apparatus of claim 1, further comprising an opposing electrode having an opposing surface which faces a top portion of the nozzle and which supports a substrate.

12. (New) The liquid ejection apparatus of claim 4, further comprising an opposing electrode having an opposing surface which faces top portions of the plurality of nozzles and which supports a substrate.

13. (New) The liquid ejection apparatus of claim 12, wherein the opposing electrode is provided in common for the plurality of nozzles so as to face the top portions of the plurality of nozzles.

14. (New) The liquid ejection apparatus of claim 4, wherein the ejection voltage supply is provided in common for the plurality of nozzles so as to apply the ejection voltage to the solution inside each of the plurality of nozzles.

15. (New) The liquid ejection apparatus of claim 1, wherein the liquid ejection apparatus is provided in an ink jet printer.

16. (New) The liquid ejection apparatus of claim 1, wherein the inner diameter of the nozzle is uniform through a length of the nozzle.

17. (New) The liquid ejection apparatus of claim 1, wherein the inner diameter of the nozzle is tapered.

18. (New) The liquid ejection apparatus of claim 17, wherein the inner diameter of the nozzle is larger at a solution-chamber side of the nozzle and gradually decreases toward an ejection-opening side of the nozzle.

19. (New) The liquid ejection apparatus of claim 1, wherein the nozzle has a substantially conical shape.

20. (New) The liquid ejection apparatus of claim 1, wherein the nozzle has a height of approximately 100 μm.